

# PATENT ABSTRACTS OF JAPAN

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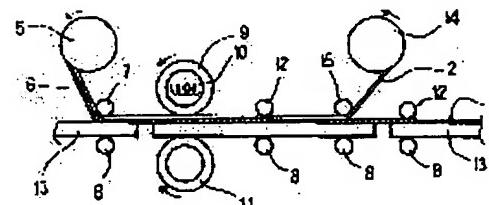
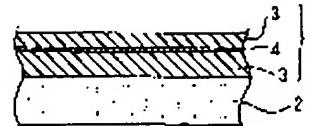
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## (54) IMAGE-FASTENING METHOD

### (57) Abstract:

PURPOSE: To securely prevent oxidation fading of a coloring agent, by incorporating a gas barrier substance having a specified gas permeability constant into a heat-fusible material, when adhering a layer of the heat-fusible material to an image surface so as to fasten the image.

CONSTITUTION: A sheet comprising a heat-fusible material layer 1 on a base 2 such as a polyester film is used for providing an image protective layer. The layer 1 comprises, for example, a vinylidene chloride layer 4 having a thickness of 2 $\mu\text{m}$  sandwiched between two polystyrene layers 3 having respective thicknesses of 5 $\mu\text{m}$  and 8 $\mu\text{m}$ , wherein the layer 4 is the gas barrier substance having an oxygen



permeability constant of not higher than  $6 \times 10^{-11}$  cc. cm/cm<sup>2</sup>. sec. cm Hg. The layer 1 of the sheet 6 is brought into close contact with the image side of an image-recording material 13, a pressure is applied thereto while heating by a transfer heating roll 8 incorporating a heater 10, and then the base 2 of the sheet 6 is released to transfer the layer 1 onto the image surface.

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#### LEGAL STATUS

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